

Amendments TO THE CLAIMListing of claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (Currently Amended) A method for outputting data read from a recording medium, comprising the steps of:

decoding the data read from the recording medium; ~~and~~  
embedding electronic watermark information in the decoded data when the decoded data is output as recording data; and  
preventing said electronic watermark information from being embedded in the decoded data when the decoded data is output as playback data.

Claim 2 (Previously Presented) The method according to Claim 1, further comprising the steps of determining a type of the recording medium and changing said electronic watermark information based on the type of the recording medium.

Claim 3 (Previously Presented) The method according to Claim 2, further comprising the step of embedding electronic watermark information indicating at least a first generation recording is allowed when the recording medium is a read-only recording medium.

Claim 4 (Previously Presented) The method according to Claim 3, further comprising the step of embedding electronic watermark information indicating recording is prohibited when the recording medium is a recordable recording medium.

Claim 5 (Previously Presented) The method according to Claim 2, further comprising the step of embedding electronic watermark information indicating the data read from the recording medium when the recording medium is a read-only recording medium.

Claim 6 (Previously Presented) The method according to Claim 5, further comprising the step of embedding electronic watermark information indicating the data is copied data when the recording medium is a recordable recording medium.

Claim 7 (Previously Presented) The method according to Claim 2, wherein the type of the recording medium is determined by determining whether a pit wobbling portion is present on the recording medium.

Claim 8 (Cancelled).

Claim 9 (Previously Presented) The method according to Claim 1, further comprising the step of embedding electronic watermark

information for analog data in the decoded data when the decoded data is output in an analog format.

Claim 10 (Previously Presented) The method according to Claim 9, wherein the decoded data is converted into an analog signal, and the electronic watermark information for analog data is embedded in the analog signal.

Claim 11 (Previously Presented) The method according to Claim 9, further comprising the steps of determining the type of the recording medium and changing the electronic watermark information for analog data based on the type of the recording medium.

Claim 12 (Previously Presented) The method according to Claim 11, further comprising the step of embedding electronic watermark information indicating at least first generation recording is allowed when the recording medium is a read-only recording medium.

Claim 13 (Previously Presented) The method according to Claim 12, further comprising the step of embedding electronic watermark information indicating recording is prohibited when the recording medium is a recordable recording medium.

Claim 14 (Previously Presented) The method according to Claim

11, further comprising the step of embedding electronic watermark information indicating the data read from the recording medium when the recording medium is a read-only recording medium.

Claim 15 (Previously Presented) The method according to Claim 14, further comprising the step of embedding electronic watermark information indicating the data is copied data when the recording medium is a recordable recording medium.

Claim 16 (Previously Presented) The method according to Claim 1, further comprising the step of embedding electronic watermark information for digital data when the decoded data is output in a digital format as the recording data.

Claim 17 (Previously Presented) The method according to Claim 16, further comprising the steps of determining a type of the recording medium and changing the electronic watermark information for digital data based on the type of recording medium.

Claim 18 (Previously Presented) The method according to Claim 17, further comprising the step of embedding electronic watermark information indicating at least first generation recording is allowed when the recording medium is a read-only recording medium.

Claim 19 (Previously Presented) The method according to Claim 18, further comprising the step of embedding electronic watermark information indicating recording is prohibited when the recording medium is a recordable recording medium.

Claim 20 (Previously Presented) The method according to Claim 17, further comprising the step of embedding electronic watermark information indicating the data read from the recording medium when the recording medium is a read-only recording medium.

Claim 21 (Previously Presented) The method according to Claim 20, further comprising the step of embedding electronic watermark information indicating the data is copied data when the recording medium is a recordable recording medium.

Claim 22 (Previously Presented) The method according to Claim 1, further comprising the step of not embedding said electronic watermark information in the decoded data when an operating key is operated to give a playback command to execute a play back operation in an apparatus that has loaded thereon the recording medium.

Claim 23 (Previously Presented) The method according to Claim 22, further comprising the step of embedding said electronic

watermark information in the decoded data when an operating key is operated to give a recording command to execute a recording operation in an apparatus that has loaded thereon the recording medium.

Claims 24-34 (Cancelled).

Claim 35 (Currently Amended) A method for outputting data read from a recording medium, comprising the steps of:

detecting copy management information from the data read from the recording medium;

determining the detected copy management information; ~~and~~  
embedding electronic watermark information in the data read from the recording medium according to the determined copy management information when the data read from the recording medium is output as recording data; and

preventing said electronic watermark information from being embedded in the data read from the recording medium according to the determined copy management information when the data read from the recording medium is output as playback data.

Claim 36 (Previously Presented) The method according to Claim 35, further comprising the step of embedding electronic watermark information indicating recording is prohibited when the detected

copy management information indicates at least first generation recording is allowed.

Claim 37 (Previously Presented) The method according to Claim 35, further comprising the step of prohibiting the data read from the recording medium from being output as the recording data when the detected copy management information is copy management information indicating recording is prohibited.

Claim 38 (Cancelled).

Claim 39 (Previously Presented) The method according to Claim 35, further comprising the step of embedding electronic watermark information for analog data when the data read from the recording medium is analog and output as the recording data.

Claim 40 (Previously Presented) The method according to Claim 39, further comprising the steps of converting the data read from the recording medium into an analog signal and embedding the electronic watermark information for analog data in the analog signal.

Claim 41 (Previously Presented) The method according to Claim 35, further comprising the step of embedding electronic watermark

information for digital data when the data read from the recording medium is digital and is output as the recording data.

Claims 42-47 (Cancelled).

Claim 48 (Currently Amended) An apparatus for playing back a recording medium, comprising:

a head for reading data from the recording medium;  
a decoder for decoding an output signal from said head; and  
an adding unit for embedding electronic watermark information in the data from said decoder when the data from said decoder is output as recording data, wherein said adding unit prevents said electronic watermark information from being embedded in the data from said decoder when the data from said decoder is output as playback data.

Claim 49 (Previously Presented) The apparatus according to Claim 48, further comprising:

a determination circuit for determining the type of the recording medium based on the output signal from said head,  
wherein said adding unit adds said electronic watermark information according to the type of the recording medium based on said determination circuit.



Claim 50 (Previously Presented) The apparatus according to Claim 49, wherein said adding unit adds electronic watermark information indicating at least one recording is allowed when said determination circuit determines that the recording medium is a read-only recording medium.

Claim 51 (Previously Presented) The apparatus according to Claim 49, wherein said adding unit adds electronic watermark information indicating recording is prohibited when said determination circuit determines that the recording medium is a recordable recording medium.

Claim 52 (Previously Presented) The apparatus according to Claim 49, wherein said adding unit includes a generation circuit for generating electronic watermark information according to said determination circuit and an adding circuit for adding the electronic watermark information generated by said generation circuit to the data from said decoder.

Claim 53 (Previously Presented) The apparatus according to Claim 52, wherein said adding unit further includes a switch circuit between said generation circuit and said adding circuit, said apparatus further comprising a controller for closing said switch circuit when the data from said decoder is output as the

recording data.

Claim 54 (Previously Presented) The apparatus according to Claim 53, wherein said controller opens said switch circuit when the data from said decoder is output as playback data.

Claim 55 (Previously Presented) The apparatus according to Claim 49, wherein said adding unit adds electronic watermark information indicating the data read from the recording medium when said determination circuit determines that the recording medium is a read-only recording medium.

Claim 56 (Previously Presented) The apparatus according to Claim 49, wherein said adding unit adds electronic watermark information indicating data is copied data when said determination circuit determines that the recording medium is a recordable recording medium.

Claim 57 (Previously Presented) The apparatus according to Claim 49, wherein said determination unit determines the type of the recording medium by determining whether a wobbled pit is detected from the output signal from said head.

Claim 58 (Cancelled).

Claim 59 (Previously Presented) The apparatus according to Claim 48, wherein said adding unit adds electronic watermark information according to an output format of the data from said decoder when the data from said decoder is output as the recording data.

Claim 60 (Previously Presented) The apparatus according to Claim 59, wherein said adding unit adds electronic watermark information for analog data when the data from said decoder is an analog signal and the data from said decoder is output as the recording data.

Claim 61 (Previously Presented) An apparatus according to Claim 60, further comprising a converter for converting the data from said decoder into an analog signal, wherein said adding unit includes a generation circuit for generating the electronic watermark information for analog data, and an adding circuit for adding the generated electronic watermark information for analog data in the analog signal from said converter.

Claim 62 (Previously Presented) The apparatus according to Claim 61, wherein said adding circuit further includes a switch circuit between said generation circuit and said adding circuit,

said apparatus further comprising a controller for closing said switch circuit when the data from said decoder is output as the recording data.

Claim 63 (Previously Presented) The apparatus according to Claim 62, wherein said controller opens said switch circuit when the data from said decoder is output as playback data.

Claim 64 (Previously Presented) The apparatus according to Claim 59, wherein said adding unit adds electronic watermark information for digital data when the data from said decoder a digital signal and the data from said decoder is output as the recording data.

Claim 65 (Previously Presented) The apparatus according to Claim 64, wherein said adding unit includes a generation circuit for generating the electronic watermark information for digital data, and an adding circuit for adding the generated electronic watermark information for digital data to the data from said converter.

Claim 66 (Previously Presented) The apparatus according to Claim 65, wherein said adding circuit further includes a switch circuit between said generation circuit and said adding circuit,

said playing apparatus further comprising a controller for closing said switch circuit when the data from said decoder is output as the recording data.

Claim 67 (Previously Presented) The apparatus according to Claim 66, wherein said controller opens said switch circuit when the data from said decoder is output as playback data.

Claims 68-79 (Cancelled).

Claim 80 (Currently Amended) An apparatus for playing back a recording medium, comprising:

a head for reading data from the recording medium;

a detector for detecting copy management information from an output signal from said head; and

an adding unit for adding electronic watermark information according to the detected copy management information to the data read from the recording medium when the data read from the recording medium is output as recording data, wherein said adding unit prevents said electronic watermark information from being added to the data read from the recording medium when the data from the recording medium is output as playback data.

Claim 81 (Previously Presented) The apparatus according to

Claim 80, wherein said adding unit includes a generation circuit for generating electronic watermark information according to said detector and an adding circuit for adding the electronic watermark information generated by said generation circuit to the data read from the recording medium.

Claim 82 (Previously Presented) The apparatus according to Claim 81, wherein said adding unit further includes a switch circuit between said generation circuit and said adding circuit, said apparatus further comprising a controller for closing said switch circuit when the data read from the recording medium is output as the recording data.

Claim 83 (Previously Presented) The apparatus according to Claim 82, wherein said controller opens said switch circuit when the data read from the recording medium is output as playback data.

Claim 84 (Previously Presented) The apparatus according to Claim 81, wherein said generation circuit generates electronic watermark information indicating recording is prohibited when the copy management information detected by said detector is copy management information indicating at least one recording is allowed.

Claim 85 (Previously Presented) The apparatus according to Claim 80, wherein a controller prohibits the data read from the recording medium from being output as the recording data when the copy management information detected by said detector is copy management information indicating recording is prohibited.

Claim 86 (Cancelled).

Claim 87 (Previously Presented) The apparatus according to Claim 80, wherein said adding unit adds electronic watermark information according to an output format of the data read from the recording medium when the data read from the recording medium is output as the recording data.

Claim 88 (Previously Presented) The apparatus according to Claim 87, wherein said adding unit adds electronic watermark information for analog data when the data read from the recording medium is output as an analog signal and the data read from the recording medium is output as the recording data.

Claim 89 (Previously Presented) The apparatus according to Claim 88, further comprising a converter for converting the data read from the recording medium into an analog signal, wherein said adding unit includes a generation circuit for generating the

electronic watermark information for analog data, and an adding circuit for adding the generated electronic watermark information for analog data to the analog signal from said converter.

Claim 90 (Previously Presented) The apparatus according to Claim 89, wherein said adding circuit further includes a switch circuit between said generation circuit and said adding circuit, said apparatus further comprising a controller for closing said switch circuit when the data read from the recording medium is output as the recording data.

Claim 91 (Previously Presented) The apparatus according to Claim 90, wherein said controller opens said switch circuit when the data read from the recording medium is output as playback data.

Claim 92 (Previously Presented) The apparatus according to Claim 87, wherein said adding unit adds electronic watermark information for digital data when the data read from the recording medium is output as a digital signal and the data read from the recording medium is output as the recording data.

Claim 93 (Previously Presented) The apparatus according to Claim 92, wherein said adding unit includes a generation circuit for generating the electronic watermark information for digital



data and an adding circuit for adding the generated electronic watermark information for digital data to the data read from the recording medium.

Claim 94 (Previously Presented) The apparatus according to Claim 93, wherein said adding circuit further includes a switch circuit between said generation circuit and said adding circuit, said apparatus further comprising a controller for closing said switch circuit when the data read from the recording medium is output as the recording data.

Claim 95 (Previously Presented) The apparatus according to Claim 94, wherein said controller opens said switch circuit when the data read from the recording medium is output as playback data.